

**CMS Private work**pp 301 pb<sup>-1</sup> (5.02 TeV)anti-k<sub>T</sub>, R = 0.4 b jets $100 < p_T^{\text{jet}} < 120 \text{ GeV/c}, |\eta^{\text{jet}}| < 2$  $1/N \text{ d}N/\text{d}z_{\text{b,ch}}$ 

✕ Nominal (PYTHIA8)

▲ Variation (HERWIG7)

Relative  
uncertainty $z_{\text{b,ch}}$ 